

Converting Colors

XYZ(33.4069, 41.3387, 45.6453)

Have a look what the booklet for
XYZ(33.4069, 41.3387, 45.6453)
contains.

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Color

**XYZ(33.5296, 41.5512,
45.7882)**

Conversions

Conversions Part 1

Format	Color
Hex	81B7AD
RGB	129, 183, 173
RGB Percent	51%, 72%, 68%
CMY	0.4941, 0.2823, 0.3216
CMYK	0.30, 0.00, 0.05, 0.28
HSL	169°, 27%, 61%
HSV	169°, 30%, 72%
XYZ	33.5296, 41.5512, 45.7882
YIQ	165.7140, -28.9740, -14.5580

Conversions

Conversions Part 2

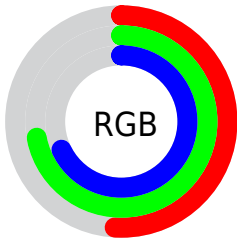
Format	Color
RYB	129, 159, 183
Decimal	8501165
CIELab	70.56, -19.81, -0.60
CIELCh	71, 19.823, 181.729
Yxy	41.5512, 0.2774, 0.3438
Android (android.graphics.Color)	4286691245 (0xFF81B7AD)
YUV	165.7140, 3.5920, -32.1982
Hunter-Lab	64.4602, -19.9569, 3.0065

Details

The XYZ color **33.5296, 41.5512, 45.7882** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0404, 27.6331, 28.0728**, and the grayscale version is **36.1016, 37.9817, 41.3621**.

A 20% lighter version of the original color is **64.3985, 77.4017, 84.9447**, and **14.4944, 18.9235, 20.9778** is the 20% darker color. If you saturate the color by 10%, you get **30.6713, 40.1162, 43.9646**, and if you desaturate by 10%, it is **36.8964, 43.2495, 47.6808**.

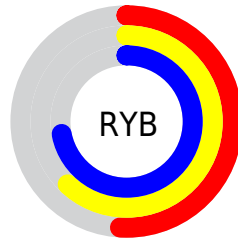
Distribution



Red (51%)

Green (72%)

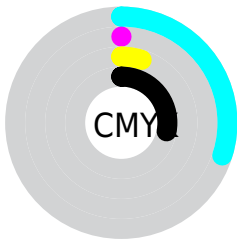
Blue (68%)



Red (51%)

Yellow (62%)

Blue (72%)

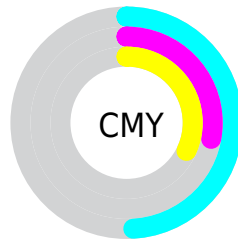


Cyan (30%)

Magenta (0%)

Yellow (5%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5296, 41.5512, 45.7882 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.5296, 41.5512, 45.7882 by changing the saturation by 10% instead.

■ 33.5296, 41.5512,
45.7882

■ 33.5296, 41.5512,
45.7882

309.6524,
352.6191, 386.2093

■ 22.6936, 28.7500,
31.7313

■ 64.5506, 77.5199,
85.2329

■ 14.4869, 18.8918,
20.8932

■ 85.4664, 101.4563,
111.4577

■ 8.5440, 11.5921,
12.8555

■ 110.4729,
129.8732, 142.5755

■ 4.4997, 6.4666,
7.1995

139.9354,
163.1549, 179.0050

■ 1.9885, 3.1308,
3.5069

174.2192,
201.6860, 221.1645

■ 0.6275, 1.2004,
1.3589

213.6897,

■ 0.0000, 0.0620,

245.8508, 269.4727

0.1094

258.7123,
296.0337, 324.3481

■ 0.0000, 0.0000,
0.0000

■ 33.5296, 41.5512,
45.7882

■ 33.5296, 41.5512,
45.7882

■ 30.6713, 40.1162,
43.9646

■ 36.8964, 43.2495,
47.6808

■ 28.2914, 38.9258,
42.2057

■ 40.7929, 45.2189,
49.6410

■ 26.3619, 37.9666,
40.5107

■ 45.2432, 47.4728,
51.6712

■ 24.8505, 37.2220,
38.8777

■ 50.2691, 50.0224,
53.7728

■ 23.7205, 36.6731,
37.3047

■ 55.8909, 52.8783,
55.9469

■ 22.9287, 36.2977,
35.7894

■ 62.1283, 56.0505,
58.1948

■ 22.3922, 36.0529,
34.3275

■ 68.2211, 59.1472,
60.4812

■ 22.3676, 36.0418,
34.2568

■ 68.6133, 59.3040,
62.5464

■ 69.0143, 59.4644,
64.6578

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2047, 41.5512, 37.2295



33.5296, 41.5512, 45.7882



34.3776, 41.5512, 55.4004

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.5296, 41.5512, 45.7882



42.8969, 41.5512, 62.3728



42.5503, 41.5512, 31.1501

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.5296, 41.5512, 45.7882



32.0404, 27.6331, 28.0728

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.0926, 41.5512, 36.4084



33.5296, 41.5512, 45.7882



45.3004, 41.5512, 54.3292

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.5296, 41.5512, 45.7882



39.6834, 41.5512, 65.7595



46.1250, 41.5512, 44.7005



39.3036, 41.5512, 29.5094

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.5296, 41.5512, 45.7882



35.7212, 41.5512, 60.9224



46.1250, 41.5512, 44.7005



43.5217, 41.5512, 32.5137

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.5308, 41.5529, 45.7891



73.3255, 81.1192, 89.0312



31.6788, 41.0117, 27.0161



15.9568, 17.7960, 19.5497



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5308, 41.5529, 45.7891



56.8370, 72.8017, 80.0067



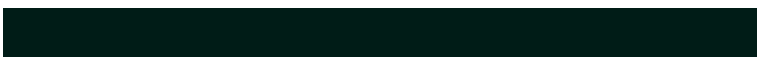
31.3839, 35.6517, 50.0290



9.1934, 10.1813, 11.1758



15.6269, 25.1517, 24.0208



0.5696, 0.8942, 0.9456

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.0404, 27.6331, 28.0728



53.7656, 44.0745, 43.4666



33.6483, 31.9656, 25.1662



9.0707, 9.0387, 9.7200



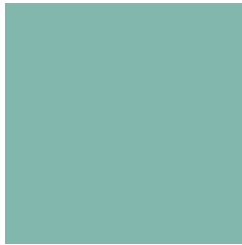
13.8428, 7.1109, 1.7931



0.5087, 0.2590, 0.1724

Previews

White Background



This preview shows how the XYZ color 33.5296, 41.5512, 45.7882 looks on a white background.

Color Contrast Check

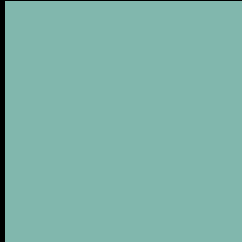
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5296, 41.5512, 45.7882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

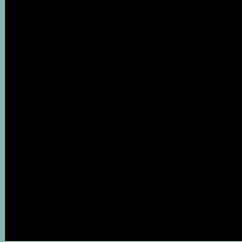
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5296, 41.5512, 45.7882

Background



This preview shows how black text looks on a background with the XYZ color 33.5296, 41.5512, 45.7882.

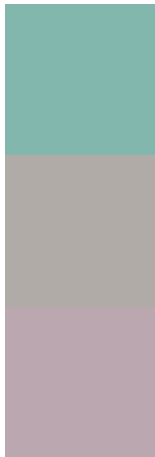


This preview shows how white text looks on a background with the XYZ color 33.5296, 41.5512,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.5296, 41.5512, 45.7882

Protanopia

39.3503, 41.1091, 41.9373

Deuteranopia

42.1487, 41.3368, 46.8316



Tritanopia

35.8904, 41.6059, 57.1781

Trichromacy



Original Color

33.5296, 41.5512, 45.7882

Protanomaly

36.7895, 40.8954, 43.4907

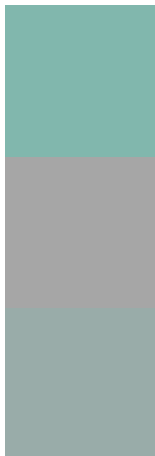
Deuteranomaly

38.4073, 41.0893, 46.4642

Tritanomaly

34.9025, 41.4985, 52.6248

Monochromacy



Original Color

33.5296, 41.5512, 45.7882

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.0508, 39.1419, 43.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5296, 41.5512, 45.7882 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 183, 173)` looks like.

```
.text, #text, p{  
    color:rgb(129, 183, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 183, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 183, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.5296, 41.5512, 45.7882 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 183, 173) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 183, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 183, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 183, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 183, 173);  
box-shadow:4px 4px 4px 4px rgb(129, 183,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5296, 41.5512, 45.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 183, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
183, 173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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